

19980216.ba v01_n924.bam.980216 v01_n925.bam.980216

>From ???@??? Mon Feb 16 07:15:20 1998
Message-Id: <199802160916.DAA29614@sco.theporch.com>
Date: Mon, 16 Feb 1998 03:16:12 CST
Subject: BOATANCHORS digest 1924

BOATANCHORS Digest 1924

Topics covered in this issue include:

- 1) FS QST, CQ some wanted too
by "H. Dave meitzen" <dmeitzen@kwom.com>
- 2) Re: Contact cleaner
by "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
- 3) Re: Heat and Power Transformers
by Bob Roehrig <broehrig@admin.aurora.edu>
- 4) FS: Collins 75A-2 receiver
by Michael Crestohl <mc@shore.net>
- 5) FS: Millen Antenna Tuner
by Michael Crestohl <mc@shore.net>
- 6) Big Millen antenna tuner SOLD!
by Michael Crestohl <mc@shore.net>
- 7) Re: Contact cleaner
by jackiv@juno.com (John M Iverson)
- 8) Quad Cities Hamfest
by "Robert Nickels" <ranickel@mwci.net>
- 9) BA place in Chicago?
by Lenox Carruth <carruth@swbell.net>
- 10) Re: BA place in Chicago?
by William Donzelli <william@ans.net>
- 11) S. Louis
by "William C. Robbins" <billrobb@net-link.net>
- 12) Manuals/info needed
by JONWEINER@aol.com
- 13) Few items for sale
by JONWEINER@aol.com
- 14) Collins KW-1 for sale
by chucks@pivot.net
- 15) Mil spy radio cite
by john <johnmb@mindspring.com>
- 16) Wanted: Halli S-38 (no suffix) Photofact or Rider pages
by kb9iua@juno.com (Kevin L Anderson)
- 17) Hamfest Report (sort of) -- Rock Island, IL
by kb9iua@juno.com (Kevin L Anderson)
- 18) Navy RBL-3 history info needed
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 19) Collins R388/URR Nametag Needed.....

- by "Robert S. Ross" <radiorob@serix.com>
- 20) Re: An appeal...
by Morris Odell <morriso@vifp.monash.edu.au>
- 21) Pretty Vibroplex Key!
by arc5@ix.netcom.com
- 22) Re: Wanted: Halli S-38 (no suffix) Photofact or Rider pages
by Henry van Cleef <vancleef@netcom.com>
- 23) Purpose of List
by "William B. Ross" <billross@txdirect.net>
- 24) Re: Purpose of List
by JD Delancy <k1zat@dsport.com>
- 25) An apology (was: An appeal)
by Jeffrey Herman <jeffreyh@hawaii.edu>
- 26) Re: An appeal...
by Jerry Proc <jproc@idirect.com>
- 27) Glowing red plates, revisited
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 28) Three-legged thingie
by "Arden Allen" <aallen@sirius.com>

Date: Sun, 15 Feb 1998 13:48:34 -0500
From: "H. Dave meitzen" <dmeitzen@kwom.com>
To: boatanchors@theporch.com
Subject: FS QST, CQ some wanted too
Message-ID: <34E73882.610D@kwom.com>

First my wants: 76 May and Dec, 78 Feb., 79 Dec.

The following is a lot sale ie. one shipment
QST

1975 ,jun,aug,jul,may,sep,dec
1962 aug,feb,oct,feb,jan
1954 may
1952 dec,oct
1953 jan,feb,mar,apr,may,jun,jul,sep
1951 jan,feb,mar
1978 all except feb.
1979 jan,mar,apr,jul,sep,oct,nov
81 all
82 all

CQ
48 3Xfeb,2Xjan
46 mar,apr
47 oct
49 apr,may,jun,jul,aug,sep,oct

\$100 plus shipping is a good deal. All are in good condition.
Best Regards
Dave AA9TT

Date: Sun, 15 Feb 98 13:06:33 -0700
From: "Deane D McIntyre" <dmcintyr@acs6.ACS.UCALGARY.CA>
To: boatanchors@theporch.com
Subject: Re: Contact cleaner
Message-ID: <9802152006.ZZ891615@acs6.acs.ucalgary.ca>

In message <19980215.025152.10486.1.jackiv@juno.com> writes:
>
> I use a contact cleaner made by General cement, not the stuff by Caig.
> the label says
> " de-oxit "
> quite a bit cheaper than the other.

I have a bottle of this, as well as a can of the Caig product.
The label on mine reads "DE-OX-ID" (note last letter is a D, not a T.
The label also says "Electronic Contact Cleaner Cat. No. 10-1902
(formerly 19-2)"

This seems to be a different product than the Caig deoxit. The GC
product appears to be mostly kerosene according to the MSDS. Yes,
it will do the job, but I find the Caig DeOxit to be a better choice.

Interesting choice of name however...

73, Deane D McIntyre VE6BPO
dmcintyr@acs.ucalgary.ca

Date: Sun, 15 Feb 1998 14:30:15 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: DCrespy@aol.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Heat and Power Transformers
Message-ID: <Pine.ULT.3.96.980215142406.8186B-1000000@admin.aurora.edu>

On Sun, 15 Feb 1998 DCrespy@aol.com wrote:

> How much variation do you see? How is it affected by nearby 5U4's and 6V6's

> (like in the Hallicrafters sets)? Is there a quick way to spot badly leaking
> caps? Is it normal for transformers to be hot to the touch (but not so hot
> you can't continue touching them..)? Enquiring minds....

A lot of sets seem to run quite warm I have noticed. In some it is clearly
a "design problem" as far as I'm concerned. my rule of thumb is if you
can't keep your hand on it, it's too hot.

Another thing is that there are many sets that are not fused and this is
just plain foolish. I don't care if it's a museum piece or not, to not
have fuse protection is just plain dumb. Take the old Amprobe and
determine the normal current draw to determine the correct fuse size.
I also have done what many list members have done and installed inrush
surge protectors. With those, you can get the fuse size a lot closer to
what it should be without having to allow for as high a turn-on inrush.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Sun, 15 Feb 1998 16:47:05 -0500 (EST)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com, collins@listserv.tempe.gov
Subject: FS: Collins 75A-2 receiver
Message-ID: <199802152147.QAA12540@northshore.shore.net>

Gotta clear out some more stuff!

I have a nice COLLINS 75A-2 receiver downstairs that needs some
cleaning up but will be a 9 or a 9.5 with a bit of effort. It is
original, no mods and has a home-brew plug-in crystal calibrator.

The front panel is perfect - the cabinet (original) could use some
touch-up.

Price is \$400.00 plus shipping. I will pack it competently as part
of the deal - all you have to pay is the actual UPS or FedEx charges.

Please respond by e-mail if interested.

73,

Michael Crestohl, W1RC
mc@shore.net

Date: Sun, 15 Feb 1998 16:49:32 -0500 (EST)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com, collins@listserv.tempe.gov
Subject: FS: Millen Antenna Tuner
Message-ID: <199802152149.QAA12864@northshore.shore.net>

Hello Gang:

This is the big classic James Millen antenna tuner covering from 80 to 10 meters. Its beautifully built as is all of his stuff on a copper chassis, big, positive band switch, smooth variable capacitor controls, etc. Cosmetically 9 on a scale of 10. Front panel perfect. Will handle full legal power output and then some. Remember this was made back in the AM days when output was measured in carrier power.

Price is \$250.00 plus shipping. I will pack competently as part of the deal. All you pay is the actual UPS or FedEx.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC
mc@shore.net

Date: Sun, 15 Feb 1998 18:38:31 -0500 (EST)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com
Subject: Big Millen antenna tuner SOLD!
Message-ID: <199802152338.SAA28441@northshore.shore.net>

Thanks gang - its going to a good home.

73,

Michael, W1RC
mc@shore.net

Date: Sun, 15 Feb 1998 17:53:11 CST
From: jackiv@juno.com (John M Iverson)
To: dmcintyr@acs6.ACS.UCALGARY.CA
Cc: boatanchors@theporch.com
Subject: Re: Contact cleaner
Message-ID: <19980215.181152.3470.0.jackiv@juno.com>

oh well, so i goofed again. it is de-ox-id - jack (but it still works)
Jack Iverson K0EWU jackiv@juno.com

On Sun, 15 Feb 98 13:06:33 -0700 "Deane D McIntyre"
<dmcintyr@acs6.ACS.UCALGARY.CA> writes:
>
>In message <19980215.025152.10486.1.jackiv@juno.com> writes:
>>
>> I use a contact cleaner made by General cement, not the stuff by
>Caig.
>> the label says
>
>> " de-oxit "
>> quite a bit cheaper than the other.
>
>I have a bottle of this, as well as a can of the Caig product.
>The label on mine reads "DE-OX-ID" (note last letter is a D, not a T.
>The label also says "Electronic Contact Cleaner Cat. No. 10-1902
>(formerly 19-2)"
>
>This seems to be a different product than the Caig deoxit. The GC
>product appears to be mostly kerosene according to the MSDS. Yes,
>it will do the job, but I find the Caig DeOxit to be a better choice.
>
>Interesting choice of name however...
>
>73, Deane D McIntyre VE6BP0
>dmcintyr@acs.ucalgary.ca
>
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 15 Feb 1998 18:24:17 -0600
From: "Robert Nickels" <ranickel@mwci.net>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Quad Cities Hamfest
Message-ID: <020701bd3a71\$38f46c60\$368a3ece@default>

Hi All,

The Quad City hamfest in Rock Island IL marks the official start of "hamfest season", at least for me. And it provided the usual bountiful harvest of decent BA gear, although somewhat smaller than in recent years.

Spotted several HQ-170s - a great AM receiver at the going price of \$150-175
Heath SB-310 SWL rx - went quick for \$75
Very nice NC-105 - unsold at \$125
Lafayette HE-10 - ditto at ditto
W9UD got the Viking 1 and VFO, let's see if he can make upward modulation after 35 yrs!

(Jim also snagged a Lysco 600 that looked like the day it was made)
Lafayette HA-350 unsold at \$45 (I was out of room by then!!)
GSB201 amp - \$350 and Heath SB200 at \$400 - way too high, even for CBers
Partially-assembled HW-16 - lotsa lookers for \$100 but still there when I left
R-390A changed hands, a number of SRR-13s and a rare SRR-12 didn't
N9KGR has NOS front panels for SR-150, contact Bruce if you need one

I've wanted a Knight T-50, now I have two of 'em! One rusty and one keeper, came with VFO and R-55 for a price I couldn't refuse. More projects! Found a rare and oddball Philmore CRX-5 for \$40 - remember seeing it in the old WRL catalogs? And, thanks to K0AL, the Palco Bantam mobile transmitter that I've been lusting after. (Anyone got a spare modulator for one? I know, dream on...)

Also - could use a manual for a RadioMarine RDF receiver and Navy PRM-1 (Stoddard) Interference Locator...I think I've got some interference to locate now...

73 and Happy Hamfest Hunting,

Bob W9RAN

Date: Sun, 15 Feb 1998 18:35:58 -0600
From: Lenox Carruth <carruth@swbell.net>
To: "Boat Anchors List (to submit a listing)" <boatanchors@sco.theporch.com>

Subject: BA place in Chicago?
Message-ID: <34E789EE.1553@swbell.net>

I am going to be in Chicago in about a week. By any chance does the mother of BA places happen to be there? I am interested in WW-II communications equipment and figure that, if there are any such places left, Chicago would be the kind of place that would have one.

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net
Dallas, Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Date: Sun, 15 Feb 1998 19:46:18 -0500 (EST)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BA place in Chicago?
Message-ID: <Pine.GS0.3.96.980215194035.20355B-100000@titan.purch.ans.net>

> I am going to be in Chicago in about a week. By any chance does the
> mother of BA places happen to be there? I am interested in WW-II
> communications equipment and figure that, if there are any such places
> left, Chicago would be the kind of place that would have one.

Yes, my storage locker! On or about 25 Feb 98, I will be starting to empty it out for the long haul to Carmel, NY, and could probably use a hand. Lots of WWII Navy gear to be packed up!

(Yeah, a cheap shot request, but I could not help myself).

William Donzelli
william@ans.net

Date: Sun, 15 Feb 1998 19:45:39 -0500
From: "William C. Robbins" <billrobb@net-link.net>
To: boatanchors@theporch.com

Subject: S. Louis

Message-ID: <199802160045.TAA31949@serv01.net-link.net>

I am going to St. Louis in a few weeks. Do any Heathkit collectors live there or are there any BA haunts that I should see?

Any help would be greatly appreciated.

Bill

Heathkit Collector

WA8CDU formally WN8CDU

Date: Sun, 15 Feb 1998 20:16:18 EST

From: JONWEINER@aol.com

To: boatanchors@theporch.com

Subject: Manuals/info needed

Message-ID: <8eb5d544.34e79364@aol.com>

After a very successful BA hunting expedition to Orlando, Bob, AA8A and I picked up a couple of items which we need some information about. One is a Simpson "CAPACOHMETER", MODEL 383-A. It's supposed to check leakage in-circuit. The other is a TELRAD Model 18A Frequency Standard. It's a BA calibrator, with markers at 1Mc, 100Kc, and 10Kc. Any info or copies of the manuals would be appreciated.

Jon, K1VVC

Date: Sun, 15 Feb 1998 20:22:37 EST

From: JONWEINER@aol.com

To: boatanchors@theporch.com

Cc: COLLINS@listserv.tempe.gov

Subject: Few items for sale

Message-ID: <9ef609be.34e794df@aol.com>

For those who use Collins and Heathkit equipment, I have a few sets of the 11 pin connectors. Consists of one male and one female connector, complete with hoods. They may require some unsoldering of old wire tags. Price \$14. per set, post paid.

Two ARRL Handbooks: 1976 & 1978. Price \$18 each, including shipping.

Thanks

I have a KW-1 for sale. Please respond via private email with your name, callsign, address and phone number and I will send you more info. no dealers!
Thanks

Had some prowl time in a local used book emporium and found an interesting item:
"OSS Weapons and Equipment" (ISBN 0-8069-8238-1)
subtitle "Spy Devices of WWII".

Fascinating gear, and reading, if you run across a copy.

/John

```

+-----+
|Wanted:      Howard Co. receiver/acc'y's/docs    |
|              AWA-OTB back issues...             |
+-----+

```

| Harvey Wells R9 rx |
| ----- WB50AU/4 AMI #24 ----- |
| johnmb@mindspring..com |
+-----+

Date: Sun, 15 Feb 1998 21:23:58 EST
From: kb9iua@juno.com (Kevin L Anderson)
To: boatanchors@theporch.com
Subject: Wanted: Halli S-38 (no suffix) Photofact or Rider pages
Message-ID: <19980215.202406.7831.2.kb9iua@juno.com>

Hi Tube Gang!

I acquired today a Hallicrafters S-38 (no suffix) original '48 model. The case is in dire need of a paint job, and the AM-CW switch / BFO pitch may not be right. Bought it from Walt Hollings, whom I've bought a receiver from in each of the last three Rock Island (Illinois) Hamfests. This model joins its stable mate, an early '50s S-38C (Run 2) model my dad had purchased that I grew up with. The radio sounds great, with plenty of audio! I'm pleased.

I'd be looking for a photocopy (original would be dreaming, I'm sure) of the Sam Photofacts or Rider pages for the no-suffix S-38. Of course I'll reimburse postage and photocopying. Please contact me for arrangements.

Thank you kindly. Cheers/73. Kevin, KB9IUA

Kevin Anderson, KB9IUA, Rock Island IL USA
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 15 Feb 1998 21:23:58 EST
From: kb9iua@juno.com (Kevin L Anderson)
To: boatanchors@theporch.com
Subject: Hamfest Report (sort of) -- Rock Island, IL
Message-ID: <19980215.202407.7831.3.kb9iua@juno.com>

Today was the 26th (?) annual hamfest in Rock Island, Illinois. With warm weather and no snow or rain (although the fest is all indoors). I am aware of at least three list members present: myself, Tom WC9M, and Jim, W9UD. They will undoubtedly give better reports than I. But here goes:

several Yaseu FT-101 (various suffixes) - none sold
three HC-170s, at \$125, \$175, and \$200, with the
latter one belonging to WC9M -- a fine dandy radio
in excellent condition in and out -- none sold that
I saw by 11 am.

a Drake R4B and T4X (?), didn't sell, asking I believe
\$225, or was that \$275?

a R-390 (A?) , bought by WC9M, no covers or meters.

unsold - four SRR-13 (?) and a Marconi receiver

a fine dandy Lysco Transmaster 600S (?) and Halli HT-40,
both offered for trade by K9UD

a Heath SB301/401 pair, asking \$175, didn't sell.

a Heath SB310, great outside, decent inside (missing
SSB and CW filters) with stock crystals, sold \$75.

a Heath HW-16, sold for \$75.

an early Hammarlund (HQ-129X ?), sold early before doors
opened

the Halli S-38, which I bought for \$20 (case very rough).

Halli S-40A, \$80 unsold (?)

Halli S-100, dirty, \$75, unsold.

Johnson Matchbox 250 for \$125

a Q-5er with power supply and modified antenna jack,
\$15, didn't sell

MD-8 modulator, didn't get price, must've sold, as I didn't
see it later

some Lafayette gear.

and other stuff I undoubtedly missed. Attendance/vendors

was down from previous years (rumor has it due to a big
fest down in Florida that grabbed some of larger vendors).

I thought its pickings were down, with more sandy-state stuff,
plus computer things (this is now a Hamfest/Computer show).

Anything else Tom or Jim??? BTW -- Jim won the final
grand prize winner -- a sandy-state Icom. (How is that going
to fit in with your big iron? :-) I'm tired, as I both set up tables

on Saturday, and tore them down again today (300 tables!)

Cheers/73. Kevin, KB9IUA

* * * * *
Kevin Anderson, KB9IUA, Rock Island IL USA
kb9iua@juno.com or Kevin.L.Anderson@usace.army.mil
* * * * *

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 15 Feb 1998 20:27:18 -0600
From: "Benjamin D. Hall" <kd5byb@WT.NET>
To: boatanchors@sco.theporch.com
Subject: Navy RBL-3 history info needed
Message-ID: <3.0.32.19980215202715.006ff2ec@mail.wt.net>

I have an RBL-3, that has a stenciled Navy marking that I beleive may indicate the ship it served on. The marking is LX 35, which may potentially be an amphib group command ship according to the limited materials I have access to. The U.S. Navy historical folks have been less than helpful. Does this strike a bell with any of you Navy or ex-Navy types? Please respond via DIRECT E-MAIL.

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: KD5BYB@WT.net, web: ***down for refurbishment***
"An ye harm none, do what ye will."

Date: Sun, 15 Feb 1998 22:04:28 GMT
From: "Robert S. Ross" <radiorob@serix.com>
To: boatanchors@sco.theporch.com
Subject: Collins R388/URR Nametag Needed.....
Message-ID: <3.0.16.19980215213143.108f8ce2@serix.com>

Hello Guys:

I just picked up a nice Collins R388/URR (51J-3) Receiver that is complete except for the Metal Nametag that attaches to the front top center of the receiver by 4 tiny screws. I would very much like to find an original nametag to affix to this receiver. If anyone has a Parts Unit R388 that still has the metal nametag attached.....I'm at your mercy!! Please help this fine receiver get back to 100% original condition!! Please email me direct at radiator@serix.com if you can help.

Thanks...Regards....ROB.
Robert S. Ross VA3SW
London, Ontario, CANADA

Radio DX'er
Antique Radio Enthusiast

Wayward home for Hot Tubes....Heavy Radios...and Chrome Microphones!!!

Date: Mon, 16 Feb 1998 13:51:42 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
To: boatanchors@sco.theporch.com
Subject: Re: An appeal...
Message-ID: <34E7A9BE.2553@vifp.monash.edu.au>

Henry van Cleef wrote:

> I think that there's a point at which some slack needs to be cut, and
> I have very nearly responded to a couple of Jim Lockwood's insinuations
> that it be only amateur radio and vacuum tubes. Stan Griffiths has
> mentioned several times some concerns about answering questions about
> old scopes; a lot of Tek's very best were hybrid (lotsa
> semiconductors) and scopes aren't "amateur radio equipment." In
> short, a few of us who used to answer lots of questions are not saying
> very much unless it's "vacuum tubes" and "amateur radio."

I would be very sorry to see a change for the narrower in this list regarding allowable subject matter. I suspect that most of us consider "boatanchors" to be anything using tube technology that relates to communications in general and amateur radio in particular and that can be a pretty wide net. It includes test equipment of the period such as Tek scopes, HP meters and generators, GDOs, bridges, Q meters and lots of other things too numerous to mention. Sometimes we even get interested in wierd things like vintage industrial electronics if there's some vague relevance to hot cathodes.

Personally I have learnt a tremendous amount from this list about all sorts of topics to do with vacuum tube electronics, not just communication gear. Hopefully my occasional comments have helped others as well. I think the common interests of this virtual community have been well defined by now by experience of the last few years and despite the well known tendencies of electronic communities to wander off topic, are not very likely to do so for long.

I'm sure we'll see Lee back here again before too long. Let's hope we also still see the words of wisdom on aligning oscilloscopes, fixing amplifiers, behaving at hamfests and yes, even connecting antennas together with all the other "off topic" things that make this the wonderful hobby it is.

73 de Morris VK3DOC

Date: Sun, 15 Feb 1998 21:15:09 -0600 (CST)
From: arc5@ix.netcom.com
To: boatanchors@sco.theporch.com
Subject: Pretty Vibroplex Key!
Message-ID: <199821521615141@>

If you want to see a really pretty picture of a Vibroplex Original Deluxe, take a look at this one:

<http://iguana.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=6315328>

I'm real proud of how it turned-out, so thought I'd show off ;-)

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Date: Sun, 15 Feb 1998 21:30:16 -0700 (MST)
From: Henry van Cleef <vancleef@netcom.com>
To: kb9iua@JUNO.COM
Cc: boatanchors@theporch.com
Subject: Re: Wanted: Halli S-38 (no suffix) Photofact or Rider pages
Message-ID: <199802160430.UAA08250@netcom12.netcom.com>

As Kevin L Anderson discourses
>

> Hi Tube Gang!
>
> I acquired today a Hallicrafters S-38 (no suffix)
> original '48 model. The case is in dire need of a
> paint job, and the AM-CW switch / BFO pitch
> may not be right. Bought it from Walt Hollings,
> whom I've bought a receiver from in each of
> the last three Rock Island (Illinois) Hamfests.
> This model joins its stable mate, an early '50s
> S-38C (Run 2) model my dad had purchased
> that I grew up with. The radio sounds great,
> with plenty of audio! I'm pleased.

If this is a "late" S-38, watch out. This version has no speaker plug in the chassis and padder for band 2 is fixed. Power supply and most other circuits are wired as per S-38A. BFO is wired differently from Hallicrafters '46 schematic.

You will probably need to replace the four ground isolation grommets. Two of these are at the back of the set, and two more are mounted under rivetted cup washers at the slide switch brackets. Drill the rivets, replace the grommets, and use standard hardware (#6 as I recall) to replace the cup washers.

>

--

=====
Hank van Cleef
=====

Date: Sun, 15 Feb 1998 22:56:56 -0600
From: "William B. Ross" <billross@txdirect.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Purpose of List
Message-ID: <34E7C718.AEC1A828@txdirect.net>

Please!

I'm not sure just how all this stuff gets started but Jack has not reduced the list in any way from what it was initially. There has never been a restriction to amateur radio equipment only or some of the other items posted during the last couple of days. For your information, the purpose of the list is - and I quote from a message he posts to the list at least once a month -

"discussions of radio equipment using vaccuum tubes, including the life and times of the designers and users of such gear."

Now I don't understand what is so restricting in that. If you want to discuss other subjects, there are lists for that elsewhere. It's his list, Gentlemen, and we are guests - paying or not - still guests, and if we don't want to follow the rules of the host, we are the ones who should leave.

Bill Ross K5LLK

Date: Mon, 16 Feb 1998 00:21:18 -0500 (EST)
From: JD Delancy <k1zat@dsport.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Purpose of List
Message-ID: <Pine.GS0.3.95.980216001952.22504A-1000000@puff>

Enough all-ready! Lets get on with the show

Date: Sun, 15 Feb 1998 19:35:54 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: Boatanchors List <boatanchors@sco.theporch.com>
Subject: An apology (was: An appeal)
Message-ID: <Pine.GS0.3.95q.980215192339.29551B-1000000@uhunix5>

Boy, do I feel rotten. I honestly didn't mean to stir up the hornet's nest as I've apparently done. I was only hoping to get our stroke-ridden friend, Leon, back on as soon as possible. I now realize my request should have *only* gone to Jack, not the list.

Jack is to be commended for running the finest e-list in existence, containing the most knowledgable collection of experts possible. That the list is as wonderful as it is is due to his patience, expertise, and old-school discipline.

I'm honestly sorry for creating all this contention.

Sincerely,
Jeff KH2PZ / KH6 (self-exiled to the penalty box)

Date: Mon, 16 Feb 1998 00:41:52 -0500
From: Jerry Proc <jproc@idirect.com>
To: morriso@vifp.monash.edu.au
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: An appeal...
Message-ID: <34E7D1A0.3B54@idirect.com>

Morris Odell wrote:

> Let's hope we
> also still see the words of wisdom on aligning oscilloscopes, fixing
> amplifiers, behaving at hamfests and yes, even connecting antennas
> together with all the other "off topic" things that make this the
> wonderful hobby it is.

Morris,

Hard as I tried, it was difficult not to say something about this topic.
I think you have summed it up perfectly. If I was stuck with a steady
diet of posts regarding
vacuum tube, amateur radio equipment ONLY, I would have been off this
list
long ago.

Most of the slightly off-topic discussions posted here (like power grids
as an example) have greatly enlightened my knowledge of electronics and
its history and I'm thankful
to those individuals who shared their experiences. Many of the
"on-topic" topics discussed on this list are of no interest to me
personally, but they are certainly
beneficial to many other subscribers and it should remain like this.
Tolerance and common sense would be the operative words.

I've been reading this list since 1995. Anything which is not of
interest to me is just deleted. Deciding what's on topic or what's off
topic used to be easy in the past (ie- no ARRL bulletins, solid state,
antennas, flaming etc..). It now seems that one
has to draw a 'logic flow chart' to figure out whether a post regarding
something electrical or electronic will pass the "on-topic" test. Why in
the world does anyone have to hesitate about discussing an electronic
device which is hybrid
in nature? In otherwords, is it OK to post if you intend to only discuss
the vacuum tube section of the device? One example of this would be a
solid state transceiver with vacuum tube finals. Does it pass the

"on-topic" test or not? Some my view this as a fring example, but this is how I see it just from the words contained within E-mail messages.

The 'smorgasboard' of experience and knowledge from various individuals about a wide range of devices, techniques and experiences is the very essence of what constitutes this list and what keeps it alive. Becoming 'OVERFOCUSED' will definitely be detrimental to the synergy that is created by those in this group.

--

Regards,
Jerry Proc VE3FAB
jproc@idirect.com
Toronto

Date: Mon, 16 Feb 1998 00:31:27 -0600
From: "Benjamin D. Hall" <kd5byb@WT.NET>
To: BoatAnchors@SCO.ThePorch.Com
Subject: Glowing red plates, revisited
Message-ID: <3.0.32.19980216002100.00717f84@mail.wt.net>

Good evening (or morning) everyone...

Since I'm awake with a good caffeine buzz, I'd like to *THANK* everyone for their responses to my message on glowing red plates in audio output tubes. I'm responding to everyone personally, but a public thank you is in order, I've received so many well thought out responses.

Second, I'd like to summarize the responses I got.

The biggest number of people that responded suggested that I replace the grid coupling cap, as a leaky cap will let the high B+ from the previous stage into the grid, turning the proper negative grid bias to positive, which causes the tube to draw too much current, and the plates glow red. This wasn't the cause, as I had replaced all of the caps in the unit about three weeks ago, and a re-check of the cap on the cap checker confirmed it was good - no leakage.

Folks also said to check the bias generating mechanism - to check the cathode resistor for proper value, or to check the bias generation scheme. In my case, the generation scheme was another winding on the power transformer, with a selenium rectifier that I had replaced with a silicon unit and a new voltage dividing circuit, set up to produce -16 volts per the manual's recomendation. Bias checked out to be fine, both at the

supply and at the pins of the tubes. But, bias couldn't be ruled out -

One big problem with the unit in question is that it has paper-based printed circuit boards. Paper-based printed circuit boards DO NOT stand up well with time, as the heating and cooling of the board tended to break traces. I had already fixed about ten broken traces, and feared that when the board heated, it expanded, causing a break in one of the traces, and loss of bias to that tube.

So, I decided to proceed with the next suggestion: swapping tubes, seeing if the glowing plates would stay with the tube, or the socket. If it stayed with the tube, I had a bum tube, the tube being gassy, or a victim of an internal short. If it stayed with the socket, I had bias problems. After about 15 minutes of good hard running, the result was inconclusive - the problem didn't reoccur. So, I'm stumped right now, and will test it more in the morning.

While on the subject of bias, Hank van Cleef pointed out to me in private e-mail several design faults on this unit, which was a good education. Heath designed the tubes to run at a bias of -16 volts, but a quick check of my GE tube manual gives a suggested value of -21 volts for a plate voltage of 450 volts, which is where this tube was running. I say this was an education, as I had always thought that stock circuits were always the way to go. But, as Hank pointed out, some products of the 60's often left much to be desired.

So I've learned a great deal about bias and tube failure modes in the past day or so, and I hope the discussion has been educational!

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.

e-mail: KD5BYB@WT.net, web: ***down for refurbishment***

"An ye harm none, do what ye will."

Date: Mon, 16 Feb 1998 01:12:55 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Three-legged thingie
Message-ID: <199802160912.BAA25227@mail1.sirius.com>

It's a very rare thing when you can't find a suitable semiconductor substitution. Keep your shirts on, this is for a 60's vintage hybrid Tekronix plug-in Test Unit model 1M1 (also known as TU-7 and 067-0521-01).

This is the device used for test and calibration of 500 series 'scopes. I accidentally blew up the sole 2N964 transistor (p/n 151-083) when I plugged it back into the wrong socket (socketed semiconductors--what an invention!). This little piece of germanium (does sand contain germanium?) is very rare in that it is necessary to form fast rise pulses and it's the only part I know of that works properly in the circuit. I've tried everything I could lay my hands on and all of the other parts are ok. So if anyone has a cache of these jewels I would like to make you a generous offer so that my test unit may once again rise to the occasion. Thanks.

Give your loved ones Gummy Bears.

Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

End of BOATANCHORS Digest 1924

>From ???@??? Tue Feb 17 04:47:15 1998

Message-Id: <199802170216.UAA09937@sco.theporch.com>

Date: Mon, 16 Feb 1998 20:16:50 CST

Subject: BOATANCHORS digest 1925

BOATANCHORS Digest 1925

Topics covered in this issue include:

- 1) Re: Mil spy radio cite
by "Ragnar Otterstad" <otterstad@inet.uni2.dk>
- 2) R-389/URR manual on eBay
by Michael Crestohl <mc@shore.net>
- 3) Receiver WTD
by ARONGV@aol.com
- 4) R-55 splatter--update
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 5) orlando hamfest
by lee1@digital.net (Leon Wiltsey)
- 6) BC-611 Canvas Case FS
by "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
- 7) Hallicrafters SR-46 FS
by "Canfield" <canfield@scci.net>
- 8) Need T-601 for R-390
by gerald <k6qy@mindspring.com>
- 9) Knight 100kc calibrator FS, \$12 shipped or trade for Drake 2-AC
by wallace@world.std.com (Andy Wallace)
- 10) Grid bkick keying for Drake T-4XC/Ultimeatic 200?
by tenagle@mmm.com
- 11) Re: Knight 100kc calibrator FS, \$12 shipped or trade for Drake 2-AC

- by "Merv Schweigert" <k9fd@htc.net>
- 12) Cathode modulation ??
by BEN NOCK <G4BXD@compuserve.com>
- 13) No hope ??
by BEN NOCK <G4BXD@compuserve.com>
- 14) BA's at NJ Radio Meet
by Al Klase <skywaves@bw.webex.net>
- 15) Re: BA's at NJ Radio Meet
by Al Klase <skywaves@bw.webex.net>
- 16) Transformer Temperatures
by "Ornitz, Barry L " <ornitz@eastman.com>
- 17) Tektronix Scope
by "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
- 18) ARA (Denver) Swapfest report/New TR-6
by "Bill Standerfer" <williame@lynx.csn.net>
- 19) ADMINISTRIVIA: Changing Email Addresses
by listown@jackatak.theporch.com (Mail List Owner)
- 20) Ranger for parts
by Charles Ring <charlesr@infonline.net>
- 21) FS or Trade Lafayette KT-320
by Dave Wood <W4EJ@coastalnet.com>
- 22) Re: Transformer Temperatures
by DCrespy@aol.com
- 23) Tek 545A high voltage problem?
by Allen Tucholski <allent@en.com>
- 24) Last Call: TR Switch Info
by ARONGV@aol.com
- 25) R-388 F/S
by "Walter L. Marshall" <wmarshall@CapAccess.org>
- 26) Re: Transformer Temperatures
by Bob Roehrig <broehrig@admin.aurora.edu>

Date: Mon, 16 Feb 1998 10:13:41 +0100
From: "Ragnar Otterstad" <otterstad@inet.uni2.dk>
To: <johnmb@mindspring.com>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Mil spy radio cite
Message-ID: <199802160924.KAA24911@inet.uni2.dk>

there's some very clear photos
> of the SSTR-1 Suitcase Radio, the SSR-5 Miniature Radio, the AN/PRC-1and
-5
> Suitcase Radios, the SCR-504 direction finding radio, the type B, mark II
> suitcase radio, and the type A, mark III radio.
>

> Fascinating gear, and reading, if you run across a copy.
>
> Has anyone ever seen any of this gear?

YES. I have B2 and A3 sets. In fact I have 2 of the B2s in suitcase. Hi

73 Rag OZ8R0

Date: Mon, 16 Feb 1998 06:03:25 -0500 (EST)
From: Michael Crestohl <mc@shore.net>
To: boatanchors@theporch.com, r-390@qth.net
Subject: R-389/URR manual on eBay
Message-ID: <199802161103.GAA10389@northshore.shore.net>

Hello Gang:

Normally I wouldn't post a notice of an item on eBay Auction to this list, but I do so as a service to those who may need this manual.

There is a TM11 for the R-389 receiver up for auction on eBay. The auction finishes on February 19th and the bidding is presently at \$26.00. To check it out use your Web browser and connect to:

<http://www.ebay.com/aw>

and use the search utility to find R-389/URR and there it will be.

I know how rare this manual is - even rarer than the receiver and I know that some of the gang have been looking for them.

If you are not familiar with eBay just connect to their home page and check it out. In order to bid you must be registered but this is a pretty simple matter and its free.

Good luck if you're after it.

73,

Michael, W1RC
mc@shore.net

Date: Mon, 16 Feb 1998 11:32:13 EST
From: ARONGV@aol.com
To: baswaplist@foothill.net, boatanchors@theporch.com

Subject: Receiver WTD
Message-ID: <cd8e4cc.34e86a0f@aol.com>

Looking for a Swan R-600 receiver in either restorable condition or working and looking nice. I'll take almost anything except one with mods (like holes drilled in front plate or chassis). Dead or alive, as long as price is comensurate with condition.

Ron

Date: 16 Feb 1998 11:10:14 -0600
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
To: boatanchors@sco.theporch.com
Subject: R-55 splatter--update
Message-ID: <1998Feb16.111016-0600@spike.vuse.vanderbilt.edu>

I'd like to thank all of the respondents to my pleas for help regarding FM splatter in the Knight R-55 rx.

Bottom line: It was coming from everywhere. The following actions helped. (1) Resolder all ground connections or clean and tighten all grounds screwed to chassis. (2) Shield all unshielded tubes. (3) Install shield on bottom of chassis. (4) Install 0.05 uF 600v bypass caps on each side of the line.

Each of these steps had a noticeable impact on FM images, and the last was perhaps the most effective.

That being said, it's still a pretty bad radio. After very careful alignment of oscillator, IF and antenna inductors, I find it to have very broad bandwidth, bad dial accuracy, a weak and snarly BFO and poor sensitivity. The 6 meter band is useless due to FM images (still). I note that one of our brethren picked one up at a hamfest this weekend. I'd be curious to know if that one is any better. On balance, I'd rather use my Ocean Hopper.

73 A. B. Bonds

Date: Mon, 16 Feb 1998 12:42:33 -0500 (EST)
From: lee1@digital.net (Leon Wiltsey)
To: BOATANCHORS@theporch.com
Subject: orlando hamfest
Message-ID: <199802161742.MAA10967@ddi.digital.net>

Hi Gang went to the orlando Ham fest and
a very old Knight star roamer followed me home.
it actually still works on the bc band,
however would like a book or at least a schematic of one
if anybody has one available.
Will be glad to pay copying and mailing costs.
Please email me if you can supply either.
There were lots of ba's at swap tables, I saw
most everything we talk abouty on the net,wuth
the exception of the 390's Also came up
with a pair of 6146 tubes for my sb100

Thank the good LORD for all that you have!!!

69yr old semi disabled senior !!! trying to get code speed to 13wpm
(stroke got my eyesight, balance & coordination) SO ONLY BA'S NO SOLID STATE

Leon (Lee) Wiltsey 4600 Lake Haven blvd Sebring fl. 33872 KF4RCL TECK+

Date: Mon, 16 Feb 1998 12:46:05 -0500
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
To: "LIST, POST BOATANCHORS" <BOATANCHORS@theporch.com>,
"LIST, QTH NET" <vintage-radio@qth.net>
Subject: BC-611 Canvas Case FS
Message-ID: <199802161246_MC2-3387-EAF0@compuserve.com>

Greetings to all,

I have for sale a BC-611 (WW-2 Handy-Talkie) canvas case for sale. It sho=
ws
its age and the zipper needs repair. These are apparently hard to find an=
d
as I have another decided to offer this to members of the list. Since I d=
o
not know the value, offers of any kind will be entertained. It should cle=
an
up OK after a good bath. Has Case CS-156 printed on side.

Offers?

Regards,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
AMI #9 - Southeastern Division Director  
Web Page URL -  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><  
~~~~~

Keeper of the Hallicrafters SX-88 Owners List

Date: Sat, 7 Mar 1998 12:57:44 -0600
From: "Canfield" <canfield@scci.net>
To: <boatanchors@theporch.com>
Subject: Hallicrafters SR-46 FS
Message-ID: <199802161758.MAA01674@gdi4.gdi.net>

Hey BAers:

Got a Hallicrafters SR-46, 6 meter rig for sale. In very good condition, clean works.
Besides not on 6 meters and collect Heath. Willing to trade or sell for \$75.00, plus shipping.
Contact at: canfield@scci.net
Thanks
Bill

Date: Mon, 16 Feb 1998 10:48:12 -0800
From: gerald <k6qy@mindspring.com>
To: r-390@qth.net
Cc: boatanchors@theporch.com
Subject: Need T-601 for R-390
Message-ID: <3.0.1.32.19980216104812.006bae3c@pop.mindspring.com>

I am in need of an output xfmr, T-601, for an R-390. The one in the radio has an open primary.

Is this the same as in the R-390A?

I would like to get an exact replacement but if that is not possible then some ideas on a non-invasive (NO new holes) replacement.

73 Gerald k6qy@mindspring.com

Date: Mon, 16 Feb 1998 19:29:56 GMT
From: wallace@world.std.com (Andy Wallace)
To: boatanchors@sco.theporch.com
Subject: Knight 100kc calibrator FS, \$12 shipped or trade for Drake 2-AC
Message-ID: <34ea9273.5640248@world.std.com>

Have a Knight crystal calibrator for sale. This is a chassis-mount thing, which can be held on with two or four screws. Says "KNIGHT 100 kc CRYSTAL CALIBRATOR Allied Radio Chicago." No instructions but they are pencilled on the side... Requires 6.3VAC, and 100-300 for B+. Wire leads out the side. Complete with 100 kc crystal and 6AK6 tube. Has on-off switch on top, and calibration trimmer.

Would very much like a Drake 2-AC crystal calibrator. Will send you this and \$20 of my money for one! Anyone?

Otherwise sell for \$12 shipped. Multiple responses: winner to be drawn from a hat next Saturday, 2/21 -- but whoever offers the 2-AC first gets it.

--Andy
wallace@world.std.com

Date: Mon, 16 Feb 1998 14:28:08 -0600
From: tenagle@mmm.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Grid block keying for Drake T-4XC/Ultimatic 200?
Message-ID: <34E8A158.87DA9BC0@mmm.com>

Hi All,

The manual for my Drake T-4XC says
"If an electronic keyer is used connect it for grid block keying".
I have an Ultimatic 200 keyer (solid state) with the legend on the back -
"Keyed CKT: / GND / -90V max."

If anyone is familiar with this keyer, I have 2 questions:

- 1) How do I connect this to my Drake?
- 2) How was this intended to be connected to a transmitter?

Your help is appreciated,

Tim

tenagle@mmm.com

(612) 881-4648 (eve)

(612) 736-8856 (day)

Date: Mon, 16 Feb 1998 15:53:02 -0600

From: "Merv Schweigert" <k9fd@htc.net>

To: <wallace@world.std.com>, "Old Tube Radios" <boatanchors@theporch.com>

Subject: Re: Knight 100kc calibrator FS, \$12 shipped or trade for Drake 2-AC

Message-ID: <01bd3b25\$40cc4700\$78ee1cce@k9fd>

>

>Otherwise sell for \$12 shipped. Multiple responses: winner to be drawn

>from a hat next Saturday, 2/21 -- but whoever offers the 2-AC first

>gets it.

>

>

Andy put me in the hat for the xtal calibrator, or will swap a mint
model X for it ?? making a list of extra keys I have here and will
let you know so we can get the other deal finalized maybe,,

73 Merv

Date: Mon, 16 Feb 1998 16:19:04 -0500

From: BEN NOCK <G4BXD@compuserve.com>

To: Multiple recipients of l <boatanchors@sco.theporch.com>

Subject: Cathode modulation ??

Message-ID: <199802161619_MC2-3391-4019@compuserve.com>

Playing with a 68 set here that has suffered at the hands of an amateur, =

ie its been modded to blazes. Needless to say the grid mod transformer is=

missing.

I have re-built the set and it works fine as a cw rig but was thinking
about =

trying to cathode mod the pa using the key jack. Have tried a transformer=

fed
from a carbon mic and I get audio but not enough. I then tried a higher
level
of af into the tranformer which gave better results. =

I was just wondering if anyone had tried feeding mod into the key jack of=
a tx, assuming it keys the cathode of course, and what results have been
found.

I note that my ARRL handbook has nothing on cathode mod at all and the RS=
GB

handbook only a small chapter.

Any ideas ?

Ben G4BXD.

-----=
Military Author, Historian, Collector.

Date: Mon, 16 Feb 1998 16:19:05 -0500
From: BEN NOCK <G4BXD@compuserve.com>
To: Multiple recipients of l <boatanchors@sco.theporch.com>
Subject: No hope ??
Message-ID: <199802161619_MC2-3391-401A@compuserve.com>

>Date: Sun, 15 Feb 1998 16:49:32 -0500 (EST)
>Subject: FS:.....thingy.....

>Date: Sun, 15 Feb 1998 18:38:31 -0500 (EST)
>Subject:thingy..... SOLD!

In consecutive messages on the digest !

Theres just no hope for anyone getting the info by digests.
Some folk must have nothing else to do all day, hi.

only jealous, cheers. Ben G4BXD. =

Date: Mon, 16 Feb 1998 17:01:30 -0500
From: Al Klase <skywaves@bw.webex.net>

To: Boatanchors <boatanchors@theporch.com>
Subject: BA's at NJ Radio Meet
Message-ID: <34E8B73A.CD2E8FC1@bw.webex.net>

NEW JERSEY ANTIQUE RADIO CLUB
Indoor RADIO SWAPMEET
Saturday, Feb. 21, 1998 -
At the National Guard Armory - Freehold, NJ.

The New Jersey Antique Radio Club will present its all-indoors Winter Swapmeet at The Freehold National Guard Armory, 8:00 AM to 1 PM, with seller setup beginning at 7:00 AM rain-or-shine. Vendors for the Swapmeet will be offering a spectrum of collectible old-time radios - table-model, console, transistor, Bakelite, Communications Receivers - with related literature and parts. Everyone is welcome!

Directions are available at: <http://www.eht.com/oldradio/swap.html>

MILITARY GEAR AND TEST EQUIPMENT FOR NJARC AUCTION, 2-21-98

Radar equipment
ASB-4 antenna switch unit
ASB-4 slotted-line antenna test set
ID-108/APS-15 indicator

Radar Countermeasures Equipment
AN/APR-4 search receiver with TN-17 tuning head (80-300 MHz)
PP-104/APT-5 power supply
R-44/ARR-5 VHF search receiver (Hallicrafters), 28-145 MHz AM-FM
T-26/APT-2 "Carpet I" jammer, 470-720 MHz
T-85/APT-5 "Carpet IV" jammer, 350-1400 MHz (two)
TN-17/APR tuning head (80-300 MHz) in CY-57/APR-1 case
TN-18/APR tuning head (300-1000 MHz) in CY-57/APR-1 case
Unident. radar pulse analyzer/panadaptor

Test Equipment
BC-221 frequency meter, metal-cased model (two)
BC-906 frequency meter
Boonton 160A Q-meter
Boonton 190A VHF Q-meter
Boonton 275A transistor test set
Empire NF-105 noise & field intensity meter, w/ manual, tuner sets for 20-200, 200-400, & 400-1000 MHz
General Radio 720A frequency meter, 100-210 MHz
General Radio 761 vibration meter w/ probe
H-P 610B UHF signal generator
Stoddard NMA-5 noise & field intensity meter (Navy TS-587/U), with tuning head for 15-125 MHz

Tektronix 514A scope
TS-174 frequency meter (20-250 MHz version of BC-221)
TS-186/UP radar frequency meter

Other Gear

BC-688A receiver and BC-689 transmitter (SCR-518 radar altimeter)
Boxlots of parts, wire, miscellaneous, sundry, and undefined Dukane PA
amp (P-P 5881s), less tubes
General Radio 715A DC amplifier, in glass-front case to match
Esterline-Angus chart recorder
High-voltage insulation tester, Variac-controlled to ca. 10 kV DC
Inident. G-band IFF set (partial)
Link VHF-FM pack radio
PE-125AX vibrator power supply (Signal Corps)
Precision tube testers CR-30 and 1012
R-9A/APN-4 LORAN receiver and associated indicator
RCA MI-7603A '30s police-car receiver, 30-41 MHz AM
Rek-O-Kut N33H stereo turntable
Tubes: flats of new, cartons of used

--

Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Mon, 16 Feb 1998 17:11:15 -0500
From: Al Klase <skywaves@bw.webex.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BA's at NJ Radio Meet
Message-ID: <34E8B983.7501686D@bw.webex.net>

Be advised that vendor space is limited. Check the NJARC URL for
contact info if you intend to sell.

Al Klase wrote:

>
> NEW JERSEY ANTIQUE RADIO CLUB
> Indoor RADIO SWAPMEET
> Saturday, Feb. 21, 1998 -
> At the National Guard Armory - Freehold, NJ.
>
> The New Jersey Antique Radio Club will present its all-indoors Winter
> Swapmeet at The Freehold National Guard Armory, 8:00 AM to 1 PM, with
> seller setup beginning at 7:00 AM rain-or-shine. Vendors for the

> Swapmeet will be offering a spectrum of collectible old-time radios -
> table-model, console, transistor, Bakelite, Communications Receivers -
> with related literature and parts. Everyone is welcome!
>
> Directions are available at: <http://www.eht.com/oldradio/swap.html>
>

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Date: Mon, 16 Feb 1998 18:37:50 -0500
From: "Ornitz, Barry L " <ornitz@eastman.com>
To: "'boatanchors@sco.theporch.com'" <boatanchors@sco.theporch.com>
Cc: "'ornitz@tricon.net'" <ornitz@tricon.net>,
 "'DCrespy@aol.com'"
Subject: Transformer Temperatures
Message-ID: <F161035B356AD011B8050020AFEAD4CC4762D4@ntd150.kpt.emn.com>

Harry, KG5LO, asked about the "normal" temperature of a transformer. While there really is no "normal" temperature, a good rule of thumb is to design the transformer for a maximum of 40 degrees Celsius temperature rise above ambient. With room temperature being about 20 to 25 C (68 to 77 F), this means the transformer temperature should be less than 60 to 65 C in most situations.

In anything I design, I try to keep the temperature of any component below 60 C (except tubes, of course). This is sort of a "magic" number. It is the highest temperature that most people can touch and keep their fingers touching without excessive discomfort. At this temperature, you generally do not get burned. At 65 C or above, you can get burned so keeping things below 60 C gives you a little margin of safety.

Something else to worry about in transformer temperature is how quickly the transformer insulation degrades at higher temperatures. Again there is a good rule of thumb borrowed from

chemists - reaction rates double with every 10 C increase in temperature. So for every 10 C cooler you can run your transformer, you can expect to double its useful life. I do not have the reference handy, but I remember once reading that a study was made on transformers and they found that transformer life was halved for every 8 C temperature rise (I think this was in Landee's Handbook).

This is the reason why I prefer to replace tube rectifiers with silicon diodes (properly - with series resistors of the correct value). The 15 or so watts consumed by the rectifier filaments are not needed by silicon diodes. Thus the transformer gets a little rest. And replacement transformers can be quite expensive.

Some folks will argue about the instant B+ applied to other tubes in a circuit. I do not fully know what the problem is here. I have seen only one reference to this damaging tubes, but this was not in the most reliable source. I have never seen a valid explanation of "high voltage stripping" except with vacuum tubes operated at well over 10 kilovolts. None of my engineering books on tubes has ever mentioned a problem with applying B+ before the filaments are warm (Reich, Terman, Landee, Spangenburg, etc.).

The heat generated by the dropping resistors needed with silicon diodes is still present however. This heat would be there with tubes, though, since it represents the plate dissipation of the rectifier tube(s).

73, Barry L. Ornitz WA4VZQ
ornitz@tricon.net

[I would like to make a brief announcement here that is a little off-subject. My apologies to Jack and the list in advance.

I have accepted a new position with W. L. Gore & Associates, and Friday will be my last day here at Eastman Chemical Company. During the move and such, I will probably be off this list for

several months. I do plan to return, however.

I would ask that everyone think first before they use chemicals in restoring boatanchors. If you know what you are doing, you can usually find a way to do things safely. If you have an important chemistry question, you can ask the group (as there are other folks here who really are chemists - I am an engineer!) or you can email me directly at <ornitz@tricon.net>. I will try to keep this address valid for another month or two. My GUESS of my new address will be <ornitz@wlgore.com> but I prefer to get a home ISP once I have moved. My new home will be in the area where MD, DE, and PA join. I sure will miss the hills of Tennessee, but I hope to continue going to the Shelby hamfest if possible. CUL friends!]

Date: Mon, 16 Feb 1998 15:51:53 -0800
From: "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
To: boatanchors@theporch.com
Subject: Tektronix Scope
Message-ID: <34E8D119.82E@concentric.net>

Greetings all: I picked up a Tektronix Scope Type 317 at the Orlando Hamfest Saturday and in need of a manual, service and operation. If anyone has one to seel please let me know. Many thanks and 73's
Lloyd

Date: Mon, 16 Feb 1998 17:20:55 +0000
From: "Bill Standerfer" <william@lynx.csn.net>
To: boatanchors@theporch.com
Subject: ARA (Denver) Swapfest report/New TR-6
Message-ID: <199802170021.RAA15546@ns-1.csn.net>

Greetings all,

Sunday the Aurora, CO Repeater Association had their annual swapfest and it was a pretty good one, boatanchor wise. There were lots of BAs there, including several Hammarlunds (145, 170A, etc), a couple of Drake B-lines (\$250 and \$300 I think), a Valiant parts unit (\$175!), a DX-100 parts unit (\$150!), a small Johnson matchbox

("modified" for \$75), and an S-line (asking price unknown). There was also a nice looking L4-B that didn't seem to be drawing any attention for \$600. A friend of mine took home a nice looking NC-303 for a hundred bucks, but left behind the two NC-300s (\$50 each) that might have made one good one between them. There was a Collins S-1 line and a KWM-2A in the back of a car from Nebraska in the parking lot, but I don't think the stuff made it to the show. Too bad. I might have been interested in the M-2. ;-)

I got lucky, though. I was standing in front of an empty table, waiting for the crowd to move along, when the table owner finally showed up and plunked down a long Drake case. I figured it was a TR-4, but when I bent down to get a closer look it turned out to be a TR-6. The owner went out for another load, so I planted myself in front of the Drake, shielding it from the buying competition, and waited for him to return. When he did, he said the price was \$250 for the TR-6 and a nice home brew power supply. Taking this good fortune as A Sign, I wrote the check without hesitation and the TR-6 is now on the operating desk in the radio room waiting for the next 6 meter opening. This one's serial number 466, so it must have been one of the last off the TR-6 line.

This rig has the AM filter installed, but I need to find a CW filter for it. Anyone have a spare lying around they want to find a good home for?

73,

Bill Standerfer - W0GM - Baron N222AB
Fort Collins, Colorado
williams@csn.net

Date: Mon, 16 Feb 98 11:15:00 CST
From: listown@jackatak.theporch.com (Mail List Owner)
To: boatanchors@sco.theporch.com
Subject: ADMINISTTRIVIA: Changing Email Addresses
Message-ID: <199802161715.LAA01527@jackatak.theporch.com>

Gang-

This periodic post is intended to help subscribers whose email address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an email advising the change, and I will do my best to implement the change quickly.

For those unfortunates, whose ISP has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

Date: Mon, 16 Feb 1998 20:03:37 -0500
From: Charles Ring <charlesr@infonline.net>
To: boatanchors@theporch.com
Subject: Ranger for parts
Message-ID: <34E8E1E9.22D8@infonline.net>

Bill Standerfer wrote:

>

> Greetings all,

>

> Sunday the Aurora, CO Repeater Association had their annual swapfest
> and it was a pretty good one, boatanchor wise. There were lots of
> BAs there, including several Hammarlunds (145, 170A, etc), a couple
> of Drake B-lines (\$250 and \$300 I think), a Valiant parts unit
> (\$175!), a DX-100 parts unit (\$150!), a small Johnson matchbox
> ("modified" for \$75), and an S-line (asking price unknown). There

Yesterday I retrieved from the attic of my family home a Johnson Ranger (I) which was part of a group of gear I bought from an estate some 15 years ago. This Ranger is in sad shape, being modified and incomplete. The power supply and audio section are gone, and a second 6146 final is installed. The VFO is intact except for missing threaded studs on the easily removable side cover plate, the front panel is pretty good with some scratches and the audio control/knob gone (meter and VFO dial look good), and the cabinet is scratched but not dented, but has a 5/16 inch hole in the top. The grid, plate, and coupling variables are intact, but the tank coils and the rest of the RF output components don't look original. I don't have an intact Ranger to compare it with so there are probably other modifications I've missed.

What interest is there in this old target of a ham's urge to customize?

73 de W3NU, ex-WA8VNU

Date: Mon, 16 Feb 1998 20:04:25 -0500 (EST)
From: Dave Wood <W4EJ@coastalnet.com>
To: boatanchors@sco.theporch.com
Subject: FS or Trade Lafayette KT-320
Message-ID: <199802170104.UAA04498@abaco.coastalnet.com>

Hello gang, I have a Lafayette KT-320 that is surplus to my needs. It's about a 7 to 8 on the 10 scale. It works but needs the main dial restrung. Also appears to have a problem with the Q multiplier. Missing the bandswitch knob.
Some minor rust on a few spots on the cabinet where the paint has flaked off but it is relatively unnoticeable. Really nicer than you normally see. I would prefer to trade against some Heath gear. Open to trades first. 73 Dave

Date: Mon, 16 Feb 1998 20:15:57 EST
From: DCrespy@aol.com
To: boatanchors@sco.theporch.com
Cc: ornitz@eastman.com
Subject: Re: Transformer Temperatures
Message-ID: <b2ee2754.34e8e4d0@aol.com>

In a message dated 98-02-16 18:38:09 EST, Barry wrote:

<< The 15 or so watts consumed by the rectifier filaments are not needed by silicon diodes. Thus the

transformer gets a little rest. And replacement transformers can be quite expensive. >>

First, I'd like to thank Barry for his thoughtful reply to my question. Thank You!

Second, I should note that my radios with the hot transformers are ones with 5 volt filament octal tube rectifiers. The cool ones have 6X4's. I think Barry is on to something here. Besides the 15 watts load, these tubes run hot and generally sit right next to the transformer.

Harry KG5LO
Saline MI

Date: Mon, 16 Feb 1998 20:47:30 -0500
From: Allen Tucholski <allent@en.com>
To: boatanchors@theporch.com
Subject: Tek 545A high voltage problem?
Message-ID: <2.2.32.19980217014730.009388a4@en.com>

Picked up a pretty nice Tek 545A. I checked it out, and found the trace was dim. Checked all the low voltages, and they are right on.

+500 OK
+350 OK
+225 OK
+100 OK
-150 OK

Here is the problem. At the high voltage test point I should see -1350 volts. I am only getting 750 -800 volts. I tried to adjust R840 (H.V. adjust) and it has no response.

The pot itself is good (2 meg Ohm's)

I checked the voltage as per the diagram.

V814, 12AU7 (tested tube and its good)
pin 7 and 1 should be -4 volts, I am getting -134
pin 8 screen of 6AU5 should be -85 i am getting +305 volts

Next I had some new 5642's, so I changed V862, V822, V832, V842.
The trace is a little brighter, but still no response from the H.V. adjust pot.

I also changed C808, C806, C801, still no luck.

I checked the 6AU5 and it tests good.

When the scope is turned on it makes a snap/arc sound after the time delay kicks in.

Any Idea's?

Date: Mon, 16 Feb 1998 20:54:37 EST
From: ARONGV@aol.com
To: boatanchors@theporch.com
Subject: Last Call: TR Switch Info
Message-ID: <a6e7467b.34e8eddf@aol.com>

Hi Gang:

I'm not pushing this info for profit, just thought some of you who own Johnson TR switches might like to see what Johnson had to say officially about the 250-39 TR switch.

Two-page "manual" starts off with a general description, like capability to handle 4000 watts PEP from 3.5 to 30 MHz, etc. Then it goes into a section on the theory of operation.

Next it goes into installation info, operation and troubleshooting. And it includes a schematic. I've also included a modification put out by Johnson that takes out the 6X4 in the PS and converts it to solid state supply. Faxed, it's three pages total.

For those who really need a copy, I can fax it to your office, or you can send me an SASE to: Ron Merrell, 10701 W. 54th Street, Shawnee, Kansas 66203.

Fax number is 913-268-0461. If requesting a fax, tell me how to address the cover sheet so you'll be sure to get it at the office okay.

Instead of dragging this on forever, the cutoff will be Wednesday at midnight Central time. By then I will have sent enough (10 already faxed as of this morning) that a request to this list in the future will get ya several offers for copies.

73s & Good Hunting

Ron W00IZ

Date: Fri, 13 Feb 1998 22:48:25 -0500 (EST)
From: "Walter L. Marshall" <wmarshall@CapAccess.org>
To: boatanchors@theporch.com
Subject: R-388 F/S
Message-ID: <Pine.SUN.3.91-FP.980213224349.13072A-100000@cap1.capaccess.org>

Posting for an acquaintance, with his permission.

R-388, nice \$400

Ft 101 w/remote vfo \$600

I expect the R388 will be snatched up by someone on this list quickly. Personally I can't afford it right now, or it would already be sold.

Contact: Jim Brockhouse<jbrockho@ciena.com>

Thanks all,

Lon KB3BVY

Date: Mon, 16 Feb 1998 20:11:37 -0600 (CST)
From: Bob Roehrig <bproehrig@admin.aurora.edu>
To: "Ornitz, Barry L " <ornitz@eastman.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Transformer Temperatures
Message-ID: <Pine.ULT.3.96.980216200640.4207A-100000@admin.aurora.edu>

On Mon, 16 Feb 1998, Ornitz, Barry L wrote:

> This is the reason why I prefer to replace tube
> rectifiers with silicon diodes (properly - with
> series resistors of the correct value). The 15
> or so watts consumed by the rectifier filaments
> are not needed by silicon diodes. Thus the
> transformer gets a little rest. And replacement
> transformers can be quite expensive.
>
> Some folks will argue about the instant B+
> applied to other tubes in a circuit. I do not
> fully know what the problem is here.

The only thing I have been concerned about in this regard is that in some gear, the voltage rating of some of the caps is marginal, so before the tubes start heating and the circuits draw current to drag the voltage down, the voltage rating of the caps can be exceeded. Dropping resistors don't help this situation of course.

Good luck in your new position!

"Nostalgia is a thing of the past"

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

End of BOATANCHORS Digest 1925
